



Indiana Discharge Monitoring Report Form 30530
MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation Midwest Plant
6300 US HWY 12
MS AE-1
Portage, IN 46368-1287

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH.

THIS REPORT MUST BE POSTMARKED NO LATER THAN THE
28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management
Office of Water Quality / Data Management Section
P.O. Box 6015
Indianapolis, Indiana 46206-6015

I N 0 0 0 0 3 3 7

PERMIT NUMBER

0 0 2 A

OUTFALL NO.

0 4 1 7

MO. YR.

EFFLUENT CHARACTERISTICS		Flow, In Conduit	pH	Temperature	Oil & Grease		Chlorine, Total Residual		Flow, Total
EFFLUENT PARAMETER NUMBER		Q50050	C00400	C00011	*****	C00552	Q50060	C50060	Q82220
SAMPLE TYPE	Permit Condition	Continuous	Grab	Continuous	*****	Grab	Grab	Grab	RCOTOT
	Monitored	Continuous	Grab	Continuous	*****	Grab			RCOTOT
FREQUENCY	Permit Condition	1/Week	1/Week	Daily	*****	1/Week	Daily	Daily	Monthly
	Monitored	Daily	1/Week	Daily	*****	1/Week			Monthly
EFFLUENT LIMITATIONS	Permit Minimum	*****	6.0	*****	*****	*****	*****	*****	*****
	Permit Average	Report	*****	Report	*****	*****	0.04	0.01	*****
	Permit Maximum	Report	9.0	Report	*****	Report	0.26	0.06	Report
UNITS =		MGD	SU	°F		mg/L	Lbs/day	mg/L	MGAL/MO
01		0.063		59.7					
02		0.057		59.2					
03		0.102	7.7	64.2		< 1.3			
04		0.002		63.7					
05		0.200		63.2					
06		0.069		61.4					
07		0.009		60.9					
08		0.014		63.3					
09		0.155		60.3					
10		0.018	7.8	63.6		< 1.3			
11		0.008		59.3					
12		0.007		62.1					
13		0.004		64.6					
14		0.021		65.7					
15		0.111		63.7					
16		0.209		60.4					
17		0.057	7.3	62.1		< 1.3			
18		0.011		63.3					
19		0.058		66.0					
20		0.092		68.1					
21		0.140		67.6					
22		0.226		66.2					
23		0.384		63.3					
24		0.637	7.7	62.7		< 1.3			
25		0.565		63.6					
26		0.543		63.7					
27		0.184		67.6					
28		0.055		65.9					
29		0.320		64.5					
30		0.329		69.2					
MONTHLY AVERAGE		0.155		63.6		0	NA	NA	
HIGHEST VALUE		0.637	7.8	69.2		< 1.3	NA	NA	4.65
LOWEST VALUE		0.002	7.3	59.2		< 1.3	NA	NA	
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0		0	0	0	

Highlighted Monthly Averages are LOQ based calculations.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

Mark Henry

(SIGNATURE OF CERTIFIED OPERATOR)

Mark Henry
219.763.5869
PHONE NUMBER

Joseph E. Hanning

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)
Joseph E. Hanning, Manager Environmental Control

5/21/2017
DATE

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CERTIFICATION NO.

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OUTFALL NO.

0 4 1 7

MO. YR.

EFFLUENT CHARACTERISTICS		Flow, In Conduit	pH	Temperature	Oil & Grease		Chlorine, Total Residual		Flow, Total
EFFLUENT PARAMETER NUMBER		Q50050	C00400	C00011	*****	C00552	Q50060	C50060	Q82220
SAMPLE TYPE	Permit Condition	Continuous	Grab	Continuous	*****	Grab	Grab	Grab	RCOTOT
	Monitored	Continuous	Grab	Continuous	*****	Grab			RCOTOT
FREQUENCY	Permit Condition	1/Week	1/Week	Daily	*****	1/Week	Daily	Daily	Monthly
	Monitored	Daily	1/Week	Daily	*****	1/Week			Monthly
EFFLUENT LIMITATIONS	Permit Minimum	*****	6.0	*****	*****	*****	*****	*****	*****
	Permit Average	Report	*****	Report	*****	*****	1.14	0.01	*****
	Permit Maximum	Report	9.0	Report	*****	Report	6.82	0.06	Report
UNITS =		MGD	SU	°F		mg/L	Lbs/day	mg/L	MGAL/MO
01		14.74		53.5					
02		13.90		50.1					
03		14.14	7.5	45.6		< 1.3			
04		14.64		46.1					
05		15.55		48.2					
06		15.00		50.8					
07		14.59		53.0					
08		14.95		52.2					
09		14.05		53.0					
10		14.04	7.6	50.0		< 1.3			
11		14.38		47.3					
12		13.34		46.6					
13		14.22		46.6					
14		15.31		47.1					
15		14.97		51.7					
16		14.77		56.0					
17		14.01	7.8	56.2		< 1.3			
18		15.05		54.7					
19		14.72		56.2					
20		14.30		58.2					
21		14.26		60.4					
22		14.30		60.4					
23		14.41		58.7					
24		14.11	7.5	60.8		< 1.3			
25		14.82		59.6					
26		14.73		60.2					
27		14.60		61.7					
28		14.43		58.6					
29		15.01		60.5					
30		14.77		57.9					
MONTHLY AVERAGE		14.54		54.1		0	NA	NA	
HIGHEST VALUE		15.55	7.8	61.7		< 1.3	NA	NA	436.10
LOWEST VALUE		13.34	7.5	45.6		< 1.3	NA	NA	
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0		0	0	0	

Highlighted Monthly Averages are LOQ based calculations.

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OUTFALL NO.

0 4 1 7
MO. YR.

EFFLUENT CHARACTERISTICS		Flow, In Conduit		pH	Temperature	Oil & Grease		Cyanide, Free	
EFFLUENT PARAMETER NUMBER		Q50050	*****	C00400	C00011	Q00552	C00552	Q00718	C00718
SAMPLE TYPE	Permit Condition	Continuous	*****	Grab	Continuous	Grab	Grab	Grab	Grab
	Monitored	Continuous	*****	Grab	Continuous	Grab	Grab	Grab	Grab
FREQUENCY	Permit Condition	5/Week	*****	5/Week	5/Week	5/Week	5/Week	2/Month	2/Month
	Monitored	Daily	*****	5/Week	Daily	5/Week	5/Week	2/Month	2/Month
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	6.0	*****	*****	*****	*****	*****
	Permit Average	Report	*****	*****	Report	Report	Report	1.2	0.0075
	Permit Maximum	Report	*****	9.0	Report	Report	Report	2.1	0.013
UNITS =		MGD		SU	°F	Lbs/day	mg/L	Lbs/day	mg/L
	01	16.20			64.0				
	02	15.71		7.6	62.9	< 170	< 1.3		
	03	14.64		7.5	61.5	< 159	< 1.3	< 0.12	< 0.0010
	04	14.46		7.8	58.2	< 157	< 1.3		
	05	14.78		7.9	58.4	173	1.4		
	06	14.65		7.4	60.4	< 159	< 1.3		
	07	15.37			64.3				
	08	14.61			63.7				
	09	13.95		7.7	64.5	< 151	< 1.3		
	10	13.89		7.6	63.6	< 151	< 1.3	< 0.12	< 0.0010
	11	13.33		7.9	60.0	211	1.9		
	12	13.33		7.5	60.8	245	2.2		
	13	13.07		7.8	58.7	229	2.1		
	14	13.53			58.5				
	15	14.71		7.8	63.0				
	16	16.02		7.5	65.0	< 174	< 1.3		
	17	15.69		7.7	66.0	< 170	< 1.3		
	18	16.36		7.7	67.6	< 177	< 1.3		
	19	16.83		7.7	70.9	< 183	< 1.3		
	20	16.79		7.6	69.0	406	2.9		
	21	17.09			71.5				
	22	17.05			72.4				
	23	16.44		7.8	71.0	< 178	< 1.3		
	24	16.77		7.5	72.5	< 182	< 1.3		
	25	16.88		7.7	74.6	< 183	< 1.3		
	26	17.28		7.6	72.2	< 187	< 1.3		
	27	16.57		7.8	67.8	< 180	< 1.3		
	28	16.75			71.8				
	29	18.26			71.1				
	30	16.24		7.8	69.4	203	1.5		
MONTHLY AVERAGE		15.57			65.8	0	0	0	0
HIGHEST VALUE		18.26		7.9	74.6	406	2.9	< 0.12	< 0.0010
LOWEST VALUE		13.07		7.4	58.2	< 151	< 1.3	< 0.12	< 0.0010
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0		0	0	0	0	0	0

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EFFLUENT CHARACTERISTICS		Silver, Total Recov.		Cadmium, Total Recov.		Copper, Total Recov.		Chlorine, Total Residual	
EFFLUENT PARAMETER NUMBER		Q01079	C01079	Q01113	C01113	Q01119	C01119	Q50060	C50060
SAMPLE TYPE	Permit Condition	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Grab	Grab
	Monitored	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24		
FREQUENCY	Permit Condition	2/Month	2/Month	2/Month	2/Month	2/Month	2/Month	Daily	Daily
	Monitored	2/Month	2/Month	2/Month	2/Month	2/Month	2/Month		
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	0.012	0.076	1.2	0.0077	4.7	0.03	1.3	0.01
	Permit Maximum	0.10	0.64	2.1	0.013	8.2	0.052	9.51	0.02
UNITS =		Lbs/day	ug/L	Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L
01									
02									
03		< 0.009	< 0.070	< 0.009	< 0.000070	0.24	0.0020		
04									
05									
06									
07									
08									
09									
10		< 0.008	< 0.070	< 0.008	< 0.000070	0.35	0.0030		
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
MONTHLY AVERAGE		0	0	0	0	0.30	0.0025	NA	NA
HIGHEST VALUE		< 0.009	< 0.070	< 0.009	< 0.000070	0.35	0.0030	NA	NA
LOWEST VALUE		< 0.008	< 0.070	< 0.008	< 0.000070	0.24	0.0020	NA	NA
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

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I	N	0	0	0	0	3	3	7
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PERMIT NUMBER

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OUTFALL NO.

0	4	1	7
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MO. YR.

EFFLUENT CHARACTERISTICS		Mercury, Total Recov.		Flow, Total		Nickel, Total Recov.		Lead, Total Recov.	
EFFLUENT PARAMETER NUMBER		Q71901	C71901	Q82220	*****	Q01074	C01074	Q01114	C01114
SAMPLE TYPE	Permit Condition	Grab	Grab	RCOTOT	*****	Comp24	Comp24	Comp24	Comp24
	Monitored	Grab	Grab	RCOTOT	*****	Comp24	Comp24	Comp24	Comp24
FREQUENCY	Permit Condition	6/Year	6/Year	Monthly	*****	2/Month	2/Month	2/Month	2/Month
	Monitored	6/Year	6/Year	Monthly	*****	2/Month	2/Month	2/Month	2/Month
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	*****	*****	Report	Report	Report	Report
	Permit Maximum	Report	Report	Report	*****	Report	Report	Report	Report
UNITS =		Lbs/day	ng/L	MGAL/MO					
	01								
	02								
	03					0.33	0.0027	0.02	0.00020
	04								
	05								
	06	0.00003	0.28						
	07								
	08								
	09								
	10					0.19	0.0016	0.02	0.00019
	11								
	12								
	13								
	14								
	15								
	16								
	17								
	18								
	19								
	20								
	21								
	22								
	23								
	24								
	25								
	26								
	27								
	28								
	29								
	30								
MONTHLY AVERAGE		0	0			0	0	0	0
HIGHEST VALUE		0.00003	0.28	467.20		0.33	0.0027	0.02	0.00020
LOWEST VALUE		0.00003	0.28			0.19	0.0016	0.02	0.00019
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0					

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EFFLUENT CHARACTERISTICS		Flow, In Conduit		pH	Solids, Total Suspended		Oil & Grease	
EFFLUENT PARAMETER NUMBER		Q50050	*****	C00400	Q00530	C00530	Q00552	C00552
SAMPLE TYPE	Permit Condition	TOTALZ	*****	Grab	Comp24	Comp24	3Grab24H	3Grab24H
	Monitored	TOTALZ	*****	Grab	Comp24	Comp24	3Grab24H	3Grab24H
FREQUENCY	Permit Condition	5/Week	*****	5/Week	5/Week	5/Week	5/Week	5/Week
	Monitored	Daily	*****	5/Week	5/Week	5/Week	5/Week	5/Week
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	Report	*****	*****	*****	*****
	Permit Average	Report	*****	*****	Report	Report	*****	Report
	Permit Maximum	Report	*****	Report	Report	Report	Report	Report
UNITS =		MGD		SU	Lbs/day	mg/L	Lbs/day	mg/L
01		9.22						
02		8.55		7.9	214	3.0 <	91.3 <	1.3
03		8.30		7.9	187	2.7 <	102 <	1.5
04		8.00		8.0	134	2.0 <	85.5 <	1.3
05		7.84		8.0	205	3.1 <	118 <	1.8
06		8.07		8.1	114	1.7 <	87.5 <	1.3
07		9.02					163 <	2.2
08		8.49					179 <	2.5
09		7.75		8.1	168	2.6 <	84.1 <	1.3
10		7.55		8.2	120	1.9	109	1.7
11		6.29		8.1	142	2.7 <	82.2 <	1.6
12		6.47		8.0	702	13	115	2.1
13		6.74		7.9	371	6.6	95.6	1.7
14		7.42			211	3.4 <	80.5 <	1.3
15		9.11		8.0	160	2.1 <	137 <	1.8
16		9.47		8.1	150	1.9 <	103 <	1.3
17		8.40		7.6	217	3.1 <	110 <	1.6
18		9.59		8.0	136	1.7 <	171 <	2.1
19		9.84		7.8	164	2.0 <	131 <	1.6
20		10.53		7.9	228	2.6 <	114 <	1.3
21		10.05						
22		9.86						
23		9.33		8.1	156	2.0 <	101 <	1.3
24		9.99		7.9	142	1.7 <	114 <	1.4
25		10.12		8.1	203	2.4 <	155 <	1.8
26		10.65		8.0	240	2.7 <	116 <	1.3
27		8.45		7.9	91.7	1.3 <	113 <	1.6
28		11.27						
29		10.65						
30		9.55		8.0	167	2.1 <	109 <	1.4
MONTHLY AVERAGE		8.89			148	2.3	0	0
HIGHEST VALUE		11.27		8.2	702	13	179	2.5
LOWEST VALUE		6.29		7.6	92	1.3 <	80 <	1.3
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0		0	0	0	0	0

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Mark Henry

(SIGNATURE OF CERTIFIED OPERATOR)

Mark Henry

219.763.5869

PHONE NUMBER

Joseph E. Hanning

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

5/21/2017

DATE

WW020376

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Page 8 of 22



Indiana Discharge Monitoring Report Form 30530
MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation Midwest Plant
6300 US HWY 12
MS AE-1
Portage, IN 46368-1287

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH.
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28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management
Office of Water Quality / Data Management Section
P.O. Box 6015
Indianapolis, Indiana 46206-6015

I N 0 0 0 0 3 3 7
PERMIT NUMBER

1 0 4 A
OUTFALL NO.

0 4 1 7
MO. YR.

EFFLUENT CHARACTERISTICS		Cyanide, Total		Fluoride, Total		Nickel, Total Recov.		Silver, Total Recov.	
EFFLUENT PARAMETER NUMBER		Q00720	C00720	Q00951	C00951	Q01074	C01074	Q01079	C01079
SAMPLE TYPE	Permit Condition	Grab	Grab	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
	Monitored	Grab	Grab	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
FREQUENCY	Permit Condition	5/Week	5/Week	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
	Monitored	5/Week	5/Week	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	Report	Report	Report	Report	Report	Report
	Permit Maximum	Report	Report	Report	Report	Report	Report	Report	Report
UNITS =		Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L
01									
02		< 0.14	< 0.0020						
03		< 0.14	< 0.0020	13.85	0.20	0.30	0.0043	< 0.0048	< 0.000070
04		< 0.13	< 0.0020						
05		< 0.13	< 0.0020						
06		< 0.13	< 0.0020						
07		< 0.15	< 0.0020						
08									
09		< 0.13	< 0.0020						
10		< 0.13	< 0.0020						
11		< 0.10	< 0.0020						
12		< 0.11	< 0.0020						
13		< 0.11	< 0.0020						
14									
15		< 0.15	< 0.0020						
16		< 0.16	< 0.0020						
17		< 0.14	< 0.0020						
18		< 0.16	< 0.0020						
19		< 0.16	< 0.0020						
20		< 0.18	< 0.0020						
21									
22									
23		< 0.16	< 0.0020						
24		< 0.17	< 0.0020						
25		< 0.17	< 0.0020						
26		< 0.18	< 0.0020						
27		< 0.14	< 0.0020						
28									
29									
30		< 0.16	< 0.0020						
MONTHLY AVERAGE		0	0	13.85	0.20	0.30	0.0043	0	0
HIGHEST VALUE		< 0.18	< 0.0020	13.85	0.20	0.30	0.0043	< 0.005	< 0.000070
LOWEST VALUE		< 0.10	< 0.0020	13.85	0.20	0.30	0.0043	< 0.005	< 0.000070
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

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Indiana Discharge Monitoring Report Form 30530
MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

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OUTFALL NO.

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MO. YR.

EFFLUENT CHARACTERISTICS		Zinc, Total Recov.		Cadmium, Total Recov.		Lead, Total Recov.		Chromium, Total Recov.	
EFFLUENT PARAMETER NUMBER		Q01094	C01094	Q01113	C01113	Q01114	C01114	Q01118	C01118
SAMPLE TYPE	Permit Condition	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
	Monitored	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
FREQUENCY	Permit Condition	5/Week	5/Week	Monthly	Monthly	Monthly	Monthly	5/Week	5/Week
	Monitored	5/Week	5/Week	Monthly	Monthly	Monthly	Monthly	5/Week	5/Week
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	Report	Report	Report	Report	Report	Report
	Permit Maximum	Report	Report	Report	Report	Report	Report	Report	Report
UNITS =		Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L
01									
02		0.78	0.011					0.65	0.0091
03		0.61	0.0088	< 0.005	< 0.000070	0.02	0.00023	0.67	0.0097
04		0.73	0.011					0.73	0.011
05		1.11	0.017					1.77	0.027
06		0.81	0.012					0.94	0.014
07									
08									
09		0.78	0.012					1.55	0.024
10		0.59	0.0093					139	2.2
11		0.63	0.012					157	3.0
12		0.59	0.011					1.57	0.029
13		0.73	0.013					0.67	0.012
14		0.74	0.012					0.32	0.0052
15		0.84	0.011					0.2	0.0026
16		0.87	0.011					0.11	0.0014
17		0.91	0.013					0.08	0.0012
18		1.04	0.013					0.07	0.00085
19		1.64	0.020					0.15	0.0018
20		1.05	0.012					0.18	0.0021
21		0.82	0.0098					0.09	0.0011
22		0.91	0.011					0.28	0.0034
23		0.86	0.011					0.31	0.0040
24		0.82	0.0098					0.19	0.0023
25		0.84	0.010					0.36	0.0043
26		1.16	0.013					0.24	0.0027
27		0.92	0.013					0.06	0.00084
28		0.90	0.0096					0.12	0.0013
29		0.80	0.0090					0.19	0.0021
30		0.79	0.0099					0.07	0.00088
MONTHLY AVERAGE		0.86	0.0117	0	0	0	0	11.3	0.20
HIGHEST VALUE		1.64	0.020	< 0.005	< 0.000070	0.02	0.00023	157	3.0
LOWEST VALUE		0.59	0.0088	< 0.005	< 0.000070	0.02	0.00023	0.1	0.00084
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

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Indiana Discharge Monitoring Report Form 30530

MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

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I N 0 0 0 0 3 3 7
PERMIT NUMBER

1 0 4 A
OUTFALL NO.

0 4 1 7
MO. YR.

EFFLUENT CHARACTERISTICS		Copper, Total Recov.		Chromium, Hexavalent		Tetrachloroethylene		Naphthalene	
EFFLUENT PARAMETER NUMBER		Q01119	C01119	Q01220	C01220	Q34475	C34475	Q34696	C34696
SAMPLE TYPE	Permit Condition	Comp24	Comp24	Grab	Grab	Grab	Grab	Grab	Grab
	Monitored	Comp24	Comp24	Grab	Grab	Grab	Grab	Grab	Grab
FREQUENCY	Permit Condition	Monthly	Monthly	Weekly	Weekly	Monthly	Monthly	Monthly	Monthly
	Monitored	Monthly	Monthly	Weekly	Weekly	Monthly	Monthly	Monthly	Monthly
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	Report	Report	*****	Report	*****	*****
	Permit Maximum	Report	Report	Report	Report	Report	Report	Report	Report
UNITS =		Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L
01									
02									
03		0.33	0.0048			< 0.02	< 0.00027	< 0.01	< 0.00010
04				< 0.003	< 0.000047				
05									
06									
07									
08									
09									
10									
11				902.8	17.2				
12				1.782	0.033				
13				< 0.112	< 0.0020				
14				< 0.124	< 0.0020				
15									
16				< 0.004	< 0.000047				
17				< 0.003	< 0.000047				
18				< 0.004	< 0.000047				
19				< 0.004	< 0.000047				
20									
21				< 0.004	< 0.000047				
22				< 0.004	< 0.000047				
23				< 0.004	< 0.000047				
24				0.027	0.00032				
25				< 0.004	< 0.000047				
26				< 0.004	< 0.000047				
27				< 0.003	< 0.000047				
28				< 0.004	< 0.000047				
29				< 0.004	< 0.000047				
30				< 0.004	< 0.000047				
MONTHLY AVERAGE		0.33	0.0048	45.2	0.86	0	0	0	0
HIGHEST VALUE		0.33	0.0048	902.8	17.2	< 0.02	< 0.00027	< 0.01	< 0.00010
LOWEST VALUE		0.33	0.0048	< 0.003	< 0.000047	< 0.02	< 0.00027	< 0.01	< 0.00010
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

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Page 11 of 22



Indiana Discharge Monitoring Report Form 30530
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I N 0 0 0 3 3 7

PERMIT NUMBER

1 0 4 A

OUTFALL NO.

0 4 1 7

MO. YR.

EFFLUENT CHARACTERISTICS		Total Toxic Organics							
EFFLUENT PARAMETER NUMBER		Q78224	C78224						
SAMPLE TYPE	Permit Condition	Comp24	Comp24						
	Monitored								
FREQUENCY	Permit Condition	Monthly	Monthly						
	Monitored								
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****						
	Permit Average	Report	Report						
	Permit Maximum	Report	Report						
UNITS =		Lbs/day	mg/L						
01									
02									
03									
04									
05									
06									
07									
08									
09									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
MONTHLY AVERAGE		NA	NA						
HIGHEST VALUE		NA	NA						
LOWEST VALUE		NA	NA						
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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Based on my inquiry of the persons directly responsible for managing compliance with the permit limitations for TTO, I certify that, to the best of my knowledge and belief, no disposal of concentrated toxic organics into the wastewaters has occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the Toxic Organic Pollutant Management Plan submitted to the Compliance Evaluation Section of the Office of Water Quality, as required by this permit.

Attachment

Footnotes to netDMR Entries

1. Where samples were collected at Outfall 104 and 204 on the same day, the mass value reported at Outfall 304 is the sum of the mass loading at Outfall 104 and 204. The resulting mass at Outfall 304 and the sum of the daily totalized flow at Outfall 104 and 204 are used to calculate the resulting concentration in the blended discharge. This approach was performed for each parameter individually.
2. Outfall 104 and 204 both have a continuously operated dedicated flow totalizer. As such, the Outfall 304 flow data is the sum of the totalized flow at Outfall 104 and 204 daily.
3. On April 11 and 22, 2017 there was flow at Outfall 104 at the time of grab sampling for routine NPDES analysis, but there was no flow at Outfall 204. On those two dates, the Outfall 304 mass loading values for hexavalent chromium was the sum of: the mass loading values of Outfall 104, and the mass loading values of outfall 204 with the 204 values being zero.
4. On April 13 and 14, 2017 grab samples were collected for hexavalent chromium analysis from Outfall 104. No corresponding grab samples were collected from Outfall 204 since the weekly routine NPDES monitoring frequency for hexavalent chromium had been satisfied with the samples to date. The Outfall 104 samples collected on these two days are included in the Outfall 104 reporting, but excluded from Outfall 304 reporting.
5. Oil and grease is required to be collected as a grab sample 3 times per day, spaced equally across a 24-hour period. Where intermittent operations discharging through 204 allowed for at least one grab sample to be obtained but less than three, the one grab sample or the arithmetic mean of the two samples is provided as the value for the 24-hour period.
6. Total cyanide is required to be analyzed 5 x weekly as a once daily grab. At the routine scheduled time of the grab sample, no flow was present during the week of April 9 through 15, 2017, except for April 12, 2017 when collection of a sample was successful.
7. The daily loading of hexavalent chromium reported for April 11, 2017 at Outfall 304 is based on a single grab sample collected on the day of the incident and is not representative of the actual loading on this day. The 24-hour composite sample result for total chromium reported at Outfall 304 was 204 lb/day. Since hexavalent chromium is a subset of total chromium, it is clear that the grab sample does not account for variation in the discharge concentration that resulted from the nature of the incident on this day and any attempt to derive the daily loading from this grab sample yields an absurd result. This high result from the grab sample also skewed the monthly average of 50.26 lb/day of hexavalent chromium, which likewise is a significant overestimation and illogical conclusion.

Based on my inquiry of the persons directly responsible for managing compliance with the permit limitations for TTO, I certify that, to the best of my knowledge and belief, no disposal of concentrated toxic organics into the wastewaters has occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the Toxic Organic Pollutant Management Plan submitted to the Compliance Evaluation Section of the Office of Water Quality, as required by this permit.

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5. Oil and grease is required to be collected as a grab sample 3 times per day, spaced equally across a 24-hour period. Where intermittent operations discharging through 204 allowed for at least one grab sample to be obtained but less than three, the one grab sample or the arithmetic mean of the two samples is provided as the value for the 24-hour period.
6. Total cyanide is required to be analyzed 5 x weekly as a once daily grab. At the routine scheduled time of the grab sample, no flow was present during the week of April 9 through 15, 2017, except for April 12, 2017 when collection of a sample was successful.
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I N 0 0 0 0 3 3 7

PERMIT NUMBER

2 0 4 A

OUTFALL NO.

0 4 1 7

MO. YR.

EFFLUENT CHARACTERISTICS		Flow, In Conduit		pH	Solids, Total Suspended		Oil & Grease	
EFFLUENT PARAMETER NUMBER		Q50050	*****	C00400	Q00530	C00530	Q00552	C00552
SAMPLE TYPE	Permit Condition	TOTALZ	*****	Grab	Comp24	Comp24	3Grab24H	3Grab24H
	Monitored	TOTALZ	*****	Grab	Comp24	Comp24	3Grab24H	3Grab24H
FREQUENCY	Permit Condition	5/Week	*****	5/Week	5/Week	5/Week	5/Week	5/Week
	Monitored	Daily	*****	5/Week	5/Week	5/Week	5/Week	5/Week
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	Report	*****	*****	*****	*****
	Permit Average	Report	*****	*****	Report	Report	*****	Report
	Permit Maximum	Report	*****	Report	Report	Report	Report	Report
UNITS =		MGD		SU	Lbs/day	mg/L	Lbs/day	mg/L
01		0.180						
02		0.155		8.1	4.4	3.4 <	2.15 <	1.7
03		0.142		8.3	2.8	2.4 <	1.54 <	1.3
04		0.042		7.4	1.4	4.0 <	0.46 <	1.3
05		0.065			1.6	2.86 <	0.71 <	1.3
06		0.096		8.0	2.2	2.7 <	1.04 <	1.3
07		0.066		8.2			1.01 <	1.8
08		0.032					0.35 <	1.3
09		0.025						
10		0.027			2.3	10		
11		0.082			205	300 <	0.89 <	1.3
12		0.072		8.2	24.6	41	1.62	2.7
13		0.067			10.6	19 <	0.73 <	1.3
14		0.063		8.6	10.5	20 <	0.68 <	1.3
15		0.160			26.7	20	2.14	1.6
16		0.324		8.0	11.1	4.1 <	3.51 <	1.3
17		0.352		8.1	12.0	4.1 <	3.82 <	1.3
18		0.295		8.2	13.0	5.3 <	3.20 <	1.3
19		0.307		8.2	7.7	3.0 <	3.33 <	1.3
20		0.297		8.1	8.2	3.3 <	3.22 <	1.3
21		0.256						
22		0.263						
23		0.247		8.2	5.4	2.6 <	2.68 <	1.3
24		0.269		8.1	15.3	6.8 <	2.92 <	1.3
25		0.311		8.2	13.8	5.3 <	5.10 <	2.0
26		0.338		8.1	15.8	5.6 <	3.67 <	1.3
27		0.341		8.0	7.4	2.6 <	3.98 <	1.4
28		0.391						
29		0.353						
30		0.306		8.2	10.5	4.1 <	3.32 <	1.3
MONTHLY AVERAGE		0.197			18.7	21	0	0
HIGHEST VALUE		0.391		8.6	205	300	5.10	2.7
LOWEST VALUE		0.025		7.4	1.4	2.4 <	0.35 <	1.3
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0		0	0	0	0	0

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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219.763.5869

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(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

5/21/2017

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Page 13 of 22



Indiana Discharge Monitoring Report Form 30530
MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation Midwest Plant
6300 US HWY 12
MS AE-1
Portage, IN 46368-1287

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH.
THIS REPORT MUST BE POSTMARKED NO LATER THAN THE
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Mail To: Indiana Dept. of Environmental Management
Office of Water Quality / Data Management Section
P.O. Box 6015
Indianapolis, Indiana 46206-6015

I N 0 0 0 0 3 3 7
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0 4 1 7
MO. YR.

EFFLUENT CHARACTERISTICS		Cyanide, Total		Fluoride, Total		Nickel, Total Recov.		Silver, Total Recov.	
EFFLUENT PARAMETER NUMBER		Q00720	C00720	Q00951	C00951	Q01074	C01074	Q01079	C01079
SAMPLE TYPE	Permit Condition	Grab	Grab	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
	Monitored	Grab	Grab	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
FREQUENCY	Permit Condition	5/Week	5/Week	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
	Monitored	5/Week	5/Week	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	Report	Report	Report	Report	Report	Report
	Permit Maximum	Report	Report	Report	Report	Report	Report	Report	Report
UNITS =		Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L
01									
02		0.003	0.0024						
03		< 0.002	< 0.0020	1.30	1.1	0.006	0.0047	< 0.0001	< 0.000070
04		< 0.001	< 0.0020						
05									
06		< 0.002	< 0.0020						
07		< 0.001	< 0.0020						
08									
09									
10									
11									
12		< 0.001	< 0.0020						
13									
14									
15									
16		< 0.005	< 0.0020						
17		< 0.006	< 0.0020						
18		< 0.005	< 0.0020						
19		< 0.005	< 0.0020						
20		< 0.005	< 0.0020						
21									
22									
23		< 0.004	< 0.0020						
24		< 0.004	< 0.0020						
25		< 0.005	< 0.0020						
26		< 0.006	< 0.0020						
27		< 0.006	< 0.0020						
28									
29									
30		< 0.005	< 0.0020						
MONTHLY AVERAGE		0	0	1.30	1.1	0.006	0.0047	0	0
HIGHEST VALUE		0.006	0.0024	1.30	1.1	0.006	0.0047	< 0.0001	< 0.000070
LOWEST VALUE		< 0.001	< 0.0020	1.30	1.1	0.006	0.0047	< 0.0001	< 0.000070
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

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Revision Pending Approval - September 2003

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EFFLUENT CHARACTERISTICS		Zinc, Total Recov.		Cadmium, Total Recov.		Lead, Total Recov.		Chromium, Total Recov.	
EFFLUENT PARAMETER NUMBER		Q01094	C01094	Q01113	C01113	Q01114	C01114	Q01118	C01118
SAMPLE TYPE	Permit Condition	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
	Monitored	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
FREQUENCY	Permit Condition	5/Week	5/Week	Monthly	Monthly	Monthly	Monthly	5/Week	5/Week
	Monitored	5/Week	5/Week	Monthly	Monthly	Monthly	Monthly	5/Week	5/Week
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	Report	Report	Report	Report	Report	Report
	Permit Maximum	Report	Report	Report	Report	Report	Report	Report	Report
UNITS =		Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L
01									
02		0.028	0.022					0.34	0.26
03		0.012	0.0098	< 0.0001	< 0.000070	0.0002	0.00016	0.26	0.22
04		0.009	0.027					0.10	0.29
05		0.011	0.021					0.09	0.17
06		0.026	0.032					0.16	0.20
07									
08									
09									
10		0.007	0.033					0.19	0.85
11		0.233	0.34					46.5	68
12		0.032	0.054					6.61	11
13		0.014	0.025					2.40	4.3
14		< 0.010	< 0.019					1.42	2.7
15		< 0.025	< 0.019					0.25	0.19
16		< 0.051	< 0.019					0.41	0.15
17		< 0.056	< 0.019					0.41	0.14
18		0.030	0.012					1.53	0.62
19		0.033	0.013					1.00	0.39
20		0.023	0.0092					0.37	0.15
21		0.015	0.0068					0.41	0.19
22		0.026	0.012					0.70	0.32
23		0.027	0.013					0.91	0.44
24		0.027	0.012					1.01	0.45
25		0.034	0.013					1.76	0.68
26		0.020	0.0072					0.51	0.18
27		0.034	0.012					0.74	0.26
28		0.026	0.0081					0.65	0.20
29		0.023	0.0079					0.41	0.14
30		0.020	0.0077					0.41	0.16
MONTHLY AVERAGE		< 0.029	< 0.0283	0	0	0	0	2.68	3.6
HIGHEST VALUE		0.233	0.34	< 0.0001	< 0.000070	0.0002	0.00016	46.5	68
LOWEST VALUE		< 0.007	< 0.0068	< 0.0001	< 0.000070	0.0002	0.00016	0.09	0.14
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

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Joseph E. Hanning, Manager Environmental Control

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Indiana Discharge Monitoring Report Form 30530
MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

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1 N 0 0 0 0 3 3 7
PERMIT NUMBER

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OUTFALL NO.

0 4 1 7
MO. YR.

EFFLUENT CHARACTERISTICS		Copper, Total Recov.		Chromium, Hexavalent		Tetrachloroethylene		Naphthalene	
EFFLUENT PARAMETER NUMBER		Q01119	C01119	Q01220	C01220	Q34475	C34475	Q34696	C34696
SAMPLE TYPE	Permit Condition	Comp24	Comp24	Grab	Grab	Grab	Grab	Grab	Grab
	Monitored	Comp24	Comp24	Grab	Grab	Grab	Grab	Grab	Grab
FREQUENCY	Permit Condition	Monthly	Monthly	Weekly	Weekly	Monthly	Monthly	Monthly	Monthly
	Monitored	Monthly	Monthly	Weekly	Weekly	Monthly	Monthly	Monthly	Monthly
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	Report	Report	Report	Report	Report	Report
	Permit Maximum	Report	Report	Report	Report	Report	Report	Report	Report
UNITS =		Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L
01									
02									
03		0.009	0.0077			< 0.0003	< 0.00027	< 0.00012	< 0.00010
04				0.0001	0.00022				
05									
06									
07									
08									
09									
10									
11									
12				0.00033	0.00055				
13									
14									
15									
16				< 0.00013	< 0.000047				
17				< 0.00014	< 0.000047				
18				< 0.00012	< 0.000047				
19				< 0.00012	< 0.000047				
20									
21				< 0.0001	< 0.000047				
22									
23				< 0.0001	< 0.000047				
24				< 0.00011	< 0.000047				
25				0.00075	0.00029				
26				< 0.00013	< 0.000047				
27				< 0.00013	< 0.000047				
28				< 0.00015	< 0.000047				
29				< 0.00014	< 0.000047				
30				< 0.00012	< 0.000047				
MONTHLY AVERAGE		0.009	0.0077	< 0.0001	< 0.000053	0	0	0	0
HIGHEST VALUE		0.009	0.0077	0.0008	0.00055	< 0.0003	< 0.00027	< 0.0001	< 0.00010
LOWEST VALUE		0.009	0.0077	< 0.0001	< 0.000047	< 0.0003	< 0.00027	< 0.0001	< 0.00010
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

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Indiana Discharge Monitoring Report Form 30530
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Revision Pending Approval - September 2003

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I N 0 0 0 0 3 3 7

PERMIT NUMBER

2 0 4 A

OUTFALL NO.

0 4 1 7

MO. YR.

EFFLUENT CHARACTERISTICS		Total Toxic Organics					
EFFLUENT PARAMETER NUMBER		Q78224	C78224				
SAMPLE TYPE	Permit Condition	Comp24	Comp24				
	Monitored						
FREQUENCY	Permit Condition	Monthly	Monthly				
	Monitored						
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****				
	Permit Average	*****	*****				
	Permit Maximum	Report	Report				
UNITS =		Lbs/day	mg/L				
	01						
	02						
	03						
	04						
	05						
	06						
	07						
	08						
	09						
	10						
	11						
	12						
	13						
	14						
	15						
	16						
	17						
	18						
	19						
	20						
	21						
	22						
	23						
	24						
	25						
	26						
	27						
	28						
	29						
	30						
MONTHLY AVERAGE		NA	NA				
HIGHEST VALUE		NA	NA				
LOWEST VALUE		NA	NA				
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0				

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EFFLUENT CHARACTERISTICS		Flow, In Conduit		Solids, Total Suspended		Oil & Grease		Cyanide, Total	
EFFLUENT PARAMETER NUMBER		Q50050	*****	Q00530	C00530	Q00552	C00552	Q00720	C00720
SAMPLE TYPE	Permit Condition	TOTALZ	*****	Comp24	Comp24	3Grab24H	3Grab24H	Grab	Grab
	Monitored	TOTALZ	*****	Comp24	Comp24	3Grab24H	3Grab24H	Grab	Grab
FREQUENCY	Permit Condition	5/Week	*****	5/Week	5/Week	5/Week	5/Week	5/Week	5/Week
	Monitored	Daily	*****	5/Week	5/Week	5/Week	5/Week	5/Week	5/Week
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	*****	1147	Report	*****	*****	3.41	Report
	Permit Maximum	Report	*****	2290	Report	765	Report	7.95	Report
UNITS =		MGD		Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L
01		9.40							
02		8.71		218.4	3.0 <	93.5 <	1.3 <	0.15 <	0.0020
03		8.44		189.9	2.7 <	103.1 <	1.5 <	0.14 <	0.0020
04		8.04		134.9	2.0 <	85.9 <	1.3 <	0.13 <	0.0020
05		7.91		207.0	3.1 <	118.5 <	1.8 <	0.13 <	0.0020
06		8.17		116.6	1.7 <	88.6 <	1.3 <	0.14 <	0.0020
07		9.09				164.1 <	2.2 <	0.15 <	0.0020
08		8.52				179.8 <	2.5 <		
09		7.78		168.2	2.6 <	84.1 <	1.3 <	0.13 <	0.0020
10		7.58		122	1.9	109.2	1.7 <	0.13 <	0.0020
11		6.37		347	6.5 <	83.1 <	1.6 <	0.1 <	0.0020
12		6.54		726.5	13	116.8	2.1 <	0.11 <	0.0020
13		6.81		381.8	6.7 <	96.3 <	1.7 <	0.11 <	0.0020
14		7.48		221	3.5 <	81.2 <	1.3		
15		9.27		186.4	2.4 <	139.0 <	1.8 <	0.15 <	0.0020
16		9.79		161.2	2.0 <	106.3 <	1.3 <	0.16 <	0.0020
17		8.75		229.3	3.1 <	113.6 <	1.6 <	0.15 <	0.0020
18		9.89		149.1	1.8 <	173.9 <	2.1 <	0.16 <	0.0020
19		10.15		171.9	2.0 <	134.7 <	1.6 <	0.17 <	0.0020
20		10.83		236.6	2.6 <	117.5 <	1.3 <	0.18 <	0.0020
21		10.31							
22		10.12							
23		9.58		161.1	2.0 <	103.9 <	1.3 <	0.16 <	0.0020
24		10.26		157.0	1.8 <	116.9 <	1.4 <	0.17 <	0.0020
25		10.43		216.4	2.5 <	159.9 <	1.8 <	0.17 <	0.0020
26		10.99		255.8	2.8 <	119.2 <	1.3 <	0.18 <	0.0020
27		8.79		99.07	1.4 <	116.8 <	1.6 <	0.15 <	0.0020
28		11.66							
29		11.00							
30		9.86		177.8	2.2 <	112.2 <	1.4 <	0.16 <	0.0020
MONTHLY AVERAGE		9.08		183.9	2.7	0	0	0	0
HIGHEST VALUE		11.66		726.5	13	179.8	2.5 <	0.18 <	0.0020
LOWEST VALUE		6.37		99.1	1.4 <	81.2 <	1.3 <	0.10 <	0.0020
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0		0	0	0	0	0	0

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3 0 4 A

OUTFALL NO.

0 4 1 7

MO.

YR.

EFFLUENT CHARACTERISTICS		Fluoride, Total		Nickel, Total Recov.		Silver, Total Recov.		Zinc, Total Recov.	
EFFLUENT PARAMETER NUMBER		Q00951	C00951	Q01074	C01074	Q01079	C01079	Q01094	C01094
SAMPLE TYPE	Permit Condition	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
	Monitored	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
FREQUENCY	Permit Condition	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	5/Week	5/Week
	Monitored	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	5/Week	5/Week
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	150	Report	Report	Report	Report	Report	10.0	Report
	Permit Maximum	400	Report	Report	Report	Report	Report	30.0	Report
UNITS =		Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L
01									
02								0.81	0.0112
03		15.16	0.22	0.30	0.0043	< 0.005	< 0.000070	0.62	0.0088
04								0.74	0.0111
05								1.12	0.017
06								0.83	0.0122
07									
08									
09								0.78	0.012
10								0.59	0.0094
11								0.86	0.0162
12								0.63	0.0115
13								0.75	0.0131
14								< 0.75	< 0.0121
15								< 0.86	< 0.0111
16								< 0.92	< 0.0113
17								< 0.97	< 0.0132
18								1.07	0.013
19								1.68	0.020
20								1.08	0.0119
21								0.84	0.0097
22								0.93	0.011
23								0.88	0.0111
24								0.84	0.0099
25								0.88	0.010
26								1.18	0.0128
27								0.95	0.013
28								0.93	0.0096
29								0.82	0.0090
30								0.81	0.0098
MONTHLY AVERAGE		15.16	0.22	0.30	0.0043	0	0	< 0.89	< 0.0119
HIGHEST VALUE		15.16	0.22	0.30	0.0043	< 0.005	< 0.000070	1.68	0.020
LOWEST VALUE		15.16	0.22	0.30	0.0043	< 0.005	< 0.000070	< 0.59	< 0.0088
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Mark Henry

(SIGNATURE OF CERTIFIED OPERATOR)

Mark Henry

219.763.5869
PHONE NUMBER

Joseph E. Hanning

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

5/21/2017

DATE

WW020376
CERTIFICATION NO.

5/21/2017

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Indiana Discharge Monitoring Report Form 30530

MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation Midwest Plant
6300 US HWY 12
MS AE-1
Portage, IN 46368-1287

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH.
THIS REPORT MUST BE POSTMARKED NO LATER THAN THE
28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management
Office of Water Quality / Data Management Section
P.O. Box 6015
Indianapolis, Indiana 46206-6015

I N 0 0 0 0 3 3 7
PERMIT NUMBER

3 0 4 A
OUTFALL NO.

0 4 1 7
MO. YR.

EFFLUENT CHARACTERISTICS		Cadmium, Total Recov.		Lead, Total Recov.		Chromium, Total Recov.		Copper, Total Recov.	
EFFLUENT PARAMETER NUMBER		Q01113	C01113	Q01114	C01114	Q01118	C01118	Q01119	C01119
SAMPLE TYPE	Permit Condition	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
	Monitored	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
FREQUENCY	Permit Condition	Monthly	Monthly	Monthly	Monthly	5/Week	5/Week	Monthly	Monthly
	Monitored	Monthly	Monthly	Monthly	Monthly	5/Week	5/Week	Monthly	Monthly
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	Report	Report	10.0	Report	Report	Report
	Permit Maximum	Report	Report	Report	Report	30.0	Report	Report	Report
UNITS =		Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L
01									
02						0.99	0.014		
03		< 0.005	< 0.000070	0.016	0.00023	0.93	0.013	0.34	0.0049
04						0.84	0.012		
05						1.86	0.028		
06						1.10	0.016		
07									
08									
09						1.55	0.0239		
10						138.8	2.2		
11						204.0	3.8		
12						8.18	0.1498		
13						3.08	0.054		
14						1.74	0.028		
15						0.45	0.0058		
16						0.52	0.0063		
17						0.50	0.0068		
18						1.59	0.019		
19						1.15	0.014		
20						0.56	0.0062		
21						0.50	0.0058		
22						0.98	0.012		
23						1.22	0.015		
24						1.20	0.014		
25						2.13	0.024		
26						0.75	0.0082		
27						0.80	0.011		
28						0.77	0.0080		
29						0.60	0.0065		
30						0.48	0.0058		
MONTHLY AVERAGE		0	0	0	0	13.97	0.24	0.34	0.0049
HIGHEST VALUE		< 0.005	< 0.000070	0.02	0.000229	204.0	3.8	0.34	0.0049
LOWEST VALUE		< 0.005	< 0.000070	0.02	0.000229	0.45	0.0058	0.34	0.0049
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	3	0	0	0

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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219.763.5869

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Joseph E. Hanning, Manager Environmental Control

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Indiana Discharge Monitoring Report Form 30530
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I N 0 0 0 0 3 3 7

PERMIT NUMBER

3 0 4 A

OUTFALL NO.

0 4 1 7

MO.

YR.

EFFLUENT CHARACTERISTICS		Chromium, Hexavalent		Tetrachloroethylene		Naphthalene		Total Toxic Organics	
EFFLUENT PARAMETER NUMBER		Q01220	C01220	Q34475	C34475	Q34696	C34696	Q78224	C78224
SAMPLE TYPE	Permit Condition	Grab	Grab	Grab	Grab	Grab	Grab	Comp24	Comp24
	Monitored	Grab	Grab	Grab	Grab	Grab	Grab		
FREQUENCY	Permit Condition	Weekly	Weekly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
	Monitored	Weekly	Weekly	Monthly	Monthly	Monthly	Monthly		
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	0.17	Report	*****	Report	*****	*****	*****	*****
	Permit Maximum	0.51	Report	1.29	Report	0.86	Report	38.43	Report
UNITS =		Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L
01									
02									
03				< 0.02	< 0.00027	< 0.01	< 0.00010		
04		< 0.003	< 0.000048						
05									
06									
07									
08									
09									
10									
11		902.8	17.2						
12		1.782	0.033						
13									
14									
15									
16		< 0.004	< 0.000047						
17		< 0.003	< 0.000047						
18		< 0.004	< 0.000047						
19		< 0.004	< 0.000047						
20									
21		< 0.004	< 0.000047						
22		< 0.004	< 0.000046						
23		< 0.004	< 0.000047						
24		< 0.027	< 0.00031						
25		< 0.005	< 0.000054						
26		< 0.004	< 0.000047						
27		< 0.003	< 0.000047						
28		< 0.005	< 0.000047						
29		< 0.004	< 0.000047						
30		< 0.004	< 0.000047						
MONTHLY AVERAGE		< 50.26	< 0.96	0	0	0	0	NA	NA
HIGHEST VALUE		902.8	17.2	< 0.02	< 0.00027	< 0.01	< 0.00010	NA	NA
LOWEST VALUE		< 0.003	< 0.000046	< 0.02	< 0.00027	< 0.01	< 0.00010	NA	NA
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		3	0	0	0	0	0	0	0

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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I N O O O O 3 3 7
PERMIT NUMBER

5 0 0 A
OUTFALL NO.

0 4 1 7
MO. YR.

EFFLUENT CHARACTERISTICS		Temperature, Intake		Temperature, Upstream		Temperature, Downstream		Temp Diff. Receiving Water	
EFFLUENT PARAMETER NUMBER		*****	C00011	*****	C00011	*****	C00011	*****	C03772
SAMPLE TYPE	Permit Condition	*****	Contin	*****	Contin	*****	Contin	*****	Calctd
	Monitored	*****	Contin	*****	Contin	*****	Contin	*****	Calctd
FREQUENCY	Permit Condition	*****	Hourly	*****	Hourly	*****	Hourly	*****	Hourly
	Monitored	*****	Hourly	*****	Hourly	*****	Hourly	*****	Hourly
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	*****	Report	*****	Report	*****	Report	*****	*****
	Permit Maximum	*****	Report	*****	Report	*****	Report	*****	2
UNITS =			°F		°F		°F		°F
	01		43.96		49.31		50.26		1
	02		41.83		51.20		52.10		1
	03		41.40		51.74		52.60		1
	04		44.71		52.38		53.14		1
	05		44.06		52.43		53.26		1
	06		42.56		48.38		49.27		1
	07		42.56		47.26		48.18		1
	08		42.56		47.10		48.00		1
	09		42.56		50.19		51.12		1
	10		42.56		51.20		52.09		1
	11		42.56		53.83		54.60		1
	12		42.56		55.64		56.41		1
	13		42.56		55.15		55.84		1
	14		42.56		56.93		57.62		1
	15		42.56		62.16		62.86		1
	16		42.56		63.88		64.64		1
	17		42.56		63.28		63.97		1
	18		42.56		63.82		64.46		1
	19		42.56		64.24		65.08		1
	20		42.56		63.76		64.58		1
	21		42.56		63.91		64.81		1
	22		42.56		61.78		62.84		1
	23		42.53		62.95		63.65		1
	24		42.51		62.44		63.56		1
	25		42.51		63.84		64.64		1
	26		42.49		64.95		65.87		1
	27		42.55		64.95		65.85		1
	28		42.55		64.87		65.72		1
	29		42.55		61.03		62.06		1
	30		42.56		61.30		62.25		1
MONTHLY AVERAGE			42.66		57.86		58.71		
HIGHEST VALUE			44.71		64.95		65.87		1
LOWEST VALUE									
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED			0		0		0		

*Pursuant to Part III.A.6 of NPDES Permit No. IN0000337 "The provisions of paragraph 5 (maximum limits in Temperature Table 2) above shall be inapplicable at any time when the upstream temperature is within 2 degrees F of the maximum limitation for that day"

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